Sourjyendra Krishna Deb

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WORK EXPERIENCE

7 Sages (Startup)   Feb 2023 – Present
Software Engineer 1 - Python/React   *Bengaluru (Remote), IN*
- Worked with **ReactJs** & **Python** to build a dashboard with backend **REST APIs** in **Flask.**
- Worked with **Golang** and **PostgreSQL** as a backend framework to create APIs
- Proficiency in using third-party APIs to extract pertinent data, such as client data, and integrate it into a centralized dashboard.
- Strong communication and collaboration skills, able to work effectively as part of a team and mentoring a junior to deliver a project.
- Experience with web scraping techniques to gather product data from ecommerce websites.

Quantiphi Analytics (Startup)   Jan 2022 – Oct 2022
Analyst - Intern   *Mumbai, IN*
- Worked extensively in Pharma & Healthcare for a Fortune 500 Pharma & Life Sciences giant in a wide spectrum of projects.
- **Derived insights** from financial **data** using **Python** and participated in strategic and tactical planning.
- Conveyed business requirements to technical architects and provided oversight for the architecture.
- Helped in estimating costs of multiple projects through its lifecycle.
- Authored multiple whitepapers, industry trends and knowledge reports having company-wide viewership
- Took end to end ownership and responsibility for preparing and finalizing a Request for Proposal (RfP) for a long term contract and collaborating with multiple stakeholders regarding the same.

TECHNICAL SKILLS

- **Languages:** Python, C++, JavaScript, Bash, SQL
- **Tools:** Pytorch, ReactJs, Flask, Tableau, Jupyter Notebooks, Pandas, Selenium, Git, MongoDB, MySQL

HOBBIES AND ACHIEVEMENTS

- Ranked in the top 59% in Kaggle English Writing Feedback competition
- Ranked #2601 in Google Kickstart Round H 2022
- 5 * rated Hackerrank in SQL

EDUCATION

National Institute of Technology, Durgapur   Aug 2018 – Jun 2022
BTech, Civil Engineering   *Durgapur , IN*
- Relevant coursework: **Data Structures & Algorithms**, **Compiler Design**
- Attended a WAC 2018 Workshop on **Machine Learning** at IIT KGP
- Created an interactive college map for the institute website under our Department Head using **vanilla JS**.
- Completed the Machine Learning course by Andrew Ng on Coursera

PERSONAL PROJECTS

- **Exercise Tracker** using **MERN** Stack | Github [Link](#):
  Created an exercise tracker using **MongoDB** as the database
    - Retrieved data from **MongoDB** using **axios** and **mongoose**
    - Implemented **API** endpoints for user and exercise addition & deletion
    - Utilized **React Router** in order to route the different pages of the app.
- Implementing and backtesting several **cryptocurrency trading strategies |**Github [Link](#):
  Using **Python**, **ccxt**, **Matplotlib**, **Pandas**
    - Extracted the current financial data from a cryptocurrency exchange using **ccxt**
    - Utilized common **financial analysis** tools like returns, volatility and **moving averages**
    - Implemented a trading strategy using a long and short window with **backtesting**
- Implementing a **fully functional Bloom filter** app | Github [Link](#):
  Using **Python**, **Hashlib, tkinter**, **Pylab**
    - Implemented a **basic bloom filter** in **python**
    - Used tkinter to create a user interface to input and check for items

- Used **pylab** to display **false positive error rate** vs k graphically